GV-370

User Manual

Version 1.33

Table of Content

Chapter 1 Features and Specification 4
- Features 4
- Specification 5
- Accessories 8
- Overview 9
- Detailed Hardware Functions 10

Chapter 2 Getting Started 11
- Download Application onto the SD Card 11
- Attaching GV-370 to the Mount/Cradle 17
- Charging your GV-370 18

Chapter 3 Software Application 19
- System Menu 19
- Photo View 19
- Movie Playback 21
- MP3 Player 22
- Setup 24

Chapter 4 Navigation Application 27
- Starting Intellinav 27
  - Getting GPS Signal 27
  - Car Cursor 27
  - Entering Data on the Intellinav System 28
  - Moving Through the Screens 28
  - Resetting the GV-370 28
- Working with the Map 29
  - Map View 29
  - Maneuver Detail 29
  - Panning the Map 29

Route List 30
Location Information 30
POI Information 31
Planning Your Route 31
Setting a Single Destination 31
Using Shortcuts 40
Managing Your Favorites List 41
Setting Your Options 42
Display Options 42
Route Options 43
Speed Alert 44
Localization 45
GPS Information 46
System Information 46
Navigation Software License Agreement 47
Chapter 5 Troubleshooting 48
► If the GV-370 does not boot up successfully or does not function properly 48
► Reset 48
► Safely Remove Hardware 49
► Update the firmware of GV-370 50

Chapter 1
Features and Specification

Features

- A complete vehicle navigation solution in one box
- Simple touch-screen operation
- 3.5” screen, 65536 colors, bright TFT LCD
- Fast and easy to use::
  - Attach, turn it on and go!
  - Large screen icons for easy touch-screen access
  - User-friendly keypads and menus
  - Clear voice-guidance instruction
  - Built-in rechargeable battery and adapter to power/charge from cigarette lighter
  - Easily mounted and can be removed quickly. Completely portable
- Built-in antenna with optional MMCX-type connector for external antenna use
- SD storage card expansion slot
- Supports MP3 and movie files (dat and mpg format)
- Supports Photo viewing (.jpg)

Specification

► System

Electrical Characteristics	
Processor	Samsung S3C2410-266MHz
OS	WinCE.NET 4.2 core
ROM Memory	64MB (NAND Flash Memory)
SDRAM Memory	64MB
Memory Card Slot	SD/MMC (2GB Max)
GPS Receiver	SiRF StarⅢ High sensitivity chipset – 20 Channel
USB Connector	Mini USB (5 pins)
USB Version	Ver 1.1 (Active Sync)
Operation time	2.5 hrs
Charge time	4 hrs
DISPALY	
Display Size H*W	3.5” (Diagonal)
Pixels H*W	240*320 (QVGA)
Display Type	COLOR TFT Daylight LCD
Color Number	65536 colors
Backlight Type	LED*6
Brightness	Typ. 320 cd/m
Touch Screen	20% Haze film
Backlight Keypad	Blue color
AUDIO	
Internal Speaker	Mono (1W / 8ohms)
Codec	IIS interface
Amplifier	1W @5V
Earphone Jack	3.5mm Stereo
POWER SOURCE	
Power Source	Mini USB : DC 5.0V/1A
Power Switch	Slide Switch (Battery ON/OFF)
Battery	
Battery Cell Type	Built-in Lithium-ion rechargeable Battery
Battery Capacity	1400mAh
ANTENNA	
GPS Antenna Type	Built-in ceramic patch antenna
External GPS Antenna	Active external antenna (MCX)
KEY BUTTON	
Power	Press the power button to turn on the device, press it again to close any open windows and turn it off (enter a standby

	mode)
Menu	Press Menu button to go back to System menu
Zoom In	Press Zoom In button to zoom in (Car Navigation Only)
Zoom Out	Press Zoom Out button to zoom out (Car Navigation Only)
Mute	Press Mute button to mute voice, press button again to go back to normal.
Roll rock	Roll up to make volume up; roll down to make volume down
Reset	Use the stylus tip to press down the reset button through the hole to reset the system.
LEDs	
Power status	Solid Red – Battery Low Solid Amber – Battery is being charged Solid Green – Battery full charged
Key Button Backlight	Solid Blue – When 4.5V~5.5V DC power is supplied through Mini USB Connector and the device is turned on. Backlight On for 3 seconds then Off – When power is supplied by Li-ion battery and the device is turned on, and you press any button such as Menu/Mute/Zoom I n/Zoom Out/Volume Up/Volume Down buttons.
Mechanical	
Dimension	4.33 x 3.42 x 1.00 in. (110 x 86.8 x 25.5mm)
Weight	0.40 lbs (183g)
Stylus Pen	98.5mm * φ4.5mm
Temperature	
Operating	14° ~ 140°F (-10° ~ 60°C)
Storage	-4° ~ 158°F (-20°C ~ 70°C)
Humidity	Operational up to 95% non-condensing
Certification	
FCC Approved, CE marked	

► GPS Specification

Electrical Characteristics	
GPS Chipset	SiRF Star III
Frequency	L1, 1575.42 MHz
C/A Code	1.023 MHz chip rate
Channels	20 channel all-in-view tracking
ACCURACY	
Position Horizontal	10 meters, 2D RMS 1-5 meters 2D RMS, WAAS corrected
Velocity	0.1m/sec
Time	1 micro-second synchronized to GPS time
DATUM	
Datum	Default: WGS-84
ACQUISITION RATE	
Hot start	1 sec., average
Warm start	38 sec., average
Cold start	42 sec., average
Reacquisition	0.1 sec. average
PROTOCOL	
GPS Protocol	Default: NMEA 0183 (Secondary: SiRF binary)
GPS Output format	GGA(1sec), GSA(1sec), GSV(5sec), RMC(1sec), GLL, VTG is optional
DYNAMIC CONDITION	
Acceleration Limit	Less than 4g
Altitude Limit	18,000 meters (60,000 feet) max.
Velocity Limit	515 meters/sec. (1,000 knots) max.
Jerk Limit	20 m/sec**3

System UI language	Navigation software UI and voice command
English, German, French, Italian, Spanish, Dutch	English, Spanish, French

Accessories

GV-370 Main Unit

USB Cable

DC charger

AC adapter

Cradle

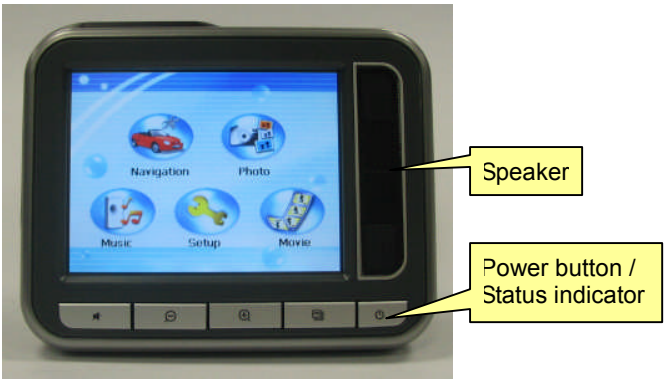
Mount

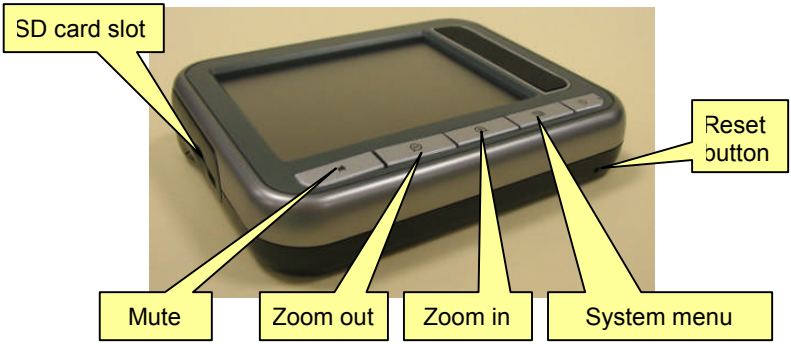
DVD (user manual, driver, map data

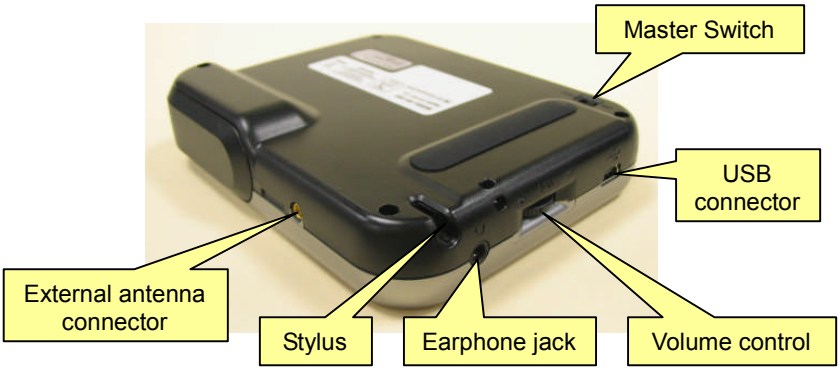
2GB SD card (optional)

Note: If any item is missing or damaged, please contact with your local retailer.

Overview


Navigation
Photo
Music
Setup
Movie
Speaker
Power button /
Status indicator


SD card slot
Reset
button
Mute
Zoom out
Zoom in
System menu


Master Switch
USB
connector
External antenna
connector
Stylus
Earphone jack
Volume control

Detailed Hardware Functions

Power button	Press the power button to turn on the GV-370, press it again to close any open windows and turn it off (enter a standby mode). **NOTE:** The GV-370 device needs about 2 seconds to enter the standby mode or come back to normal operating state. Thus, the power button may not function well if you continue to press it again within 2 seconds.
Main Control Buttons	System Menu Mute Zoom Out (Car Navigation Only) Zoom In (Car Navigation Only)
Status Indicator	Charging: orange. Charging completed: green. battery low: red.
SD card slot	The PC applications and map data can be stored in the SD card.
RESET button	Use the stylus tip to press down the reset button through the hole to reset the system.
Earphone jack	Plug the earphone or headset to the socket, you can listen to the navigation voice guide or enjoy your favorite MP3 music.
External antenna connector	For you to connect an optional MMCX-type external antenna.
Speaker	Allow the MP3 and Voice Navigation through the built-in speaker in the back side of the device.
Stylus	You can use the stylus pen instead of your finger to tap or input on the screen.
USB connector	Connect the GV-370 to PC via an USB cable for data transfer and battery charging.
Master switch	Slide the master switch to “OFF” position to prevent from accidentally turning on the device by touching the power button. If you want to use this device, be sure to slide the master switch to the “ON” position. ⓘ On the back of the GV-370 is a master slide switch to cut off power to the unit. It is used to disable the unit in transit from the factory and if the unit will be in storage for long periods of time. Be sure that the master slide switch is in the “ON” position when you remove the unit from the box. The GV-370 will NOT charge if the master slide switch is in the “OFF” position
Volume control	Control the volume up and volume down.

Chapter 2
Getting Started

Before using the GV-370, please fully charge the unit's battery with the included AC wall charger. When in the charge mode, the status indicator will be amber. When the battery is fully charged, the status indicator will be green.

Download Application onto the SD Card

STEP 1:

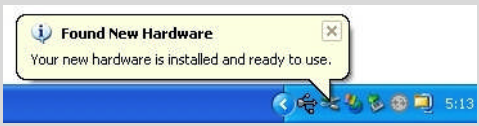
You have 2 options to download the application software and map data to your SD card.

Option 1 (card reader): Insert the SD card into your existing card reader, which is connected to your PC. (This is the recommended method for a faster and more secure data transfer rate.)

Option 2 (by ActiveSync): If you do not have an SD card reader, insert the SD card into the GV-370 and use the provided USB cable to connect GV-370 with your PC. (Before you can use this method, you must install the USB driver for GV-370 and the Microsoft ActiveSync. Please see the following note for details.)

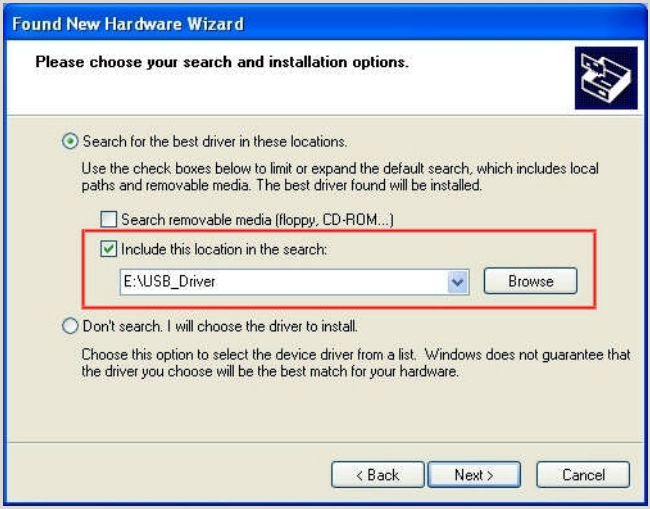
Install the USB driver and Microsoft ActiveSync

- Turn on the GV-370. Insert the application DVD into the DVD-ROM drive. Use the provided USB cable to connect the GV-370 with your PC. Windows will detect a New Hardware and pops up a dialog box for you to install the driver.

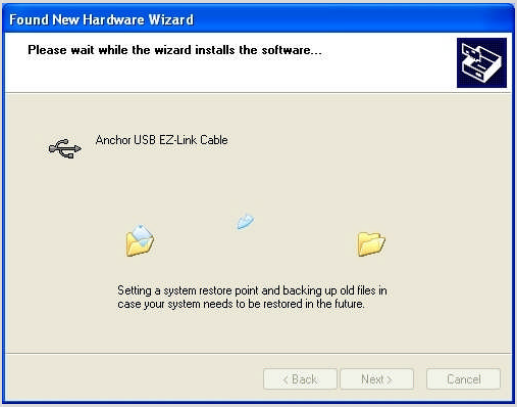


Found New Hardware Wizard
Welcome to the Found New Hardware Wizard
This wizard helps you install software for:
Anchor USB EZ-Link Cable
If your hardware came with an installation CD or floppy disk, insert it now.
What do you want the wizard to do?
Install the software automatically (Recommended)
Install from a list or specific location (Advanced)
Click Next to continue.
< Back
Next >
Cancel

Check the **"Install from a list or specific location"** item and click on **Next** button.


Found New Hardware Wizard
Please choose your search and installation options.
Search for the best driver in these locations.
Use the check boxes below to limit or expand the default search, which includes local paths and removable media. The best driver found will be installed.
Search removable media (floppy, CD-ROM...)
Include this location in the search:
E:\USB_Driver
Browse
Don't search. I will choose the driver to install.
Choose this option to select the device driver from a list. Windows does not guarantee that the driver you choose will be the best match for your hardware.
< Back
Next >
Cancel

Click on **"Browse"** button and locate the "USB_Driver" folder in the DVD. That's where the USB driver files stored.


Found New Hardware Wizard
Please wait while the wizard installs the software...
Anchor USB EZ-Link Cable
Setting a system restore point and backing up old files in case your system needs to be restored in the future.
< Back
Next >
Cancel

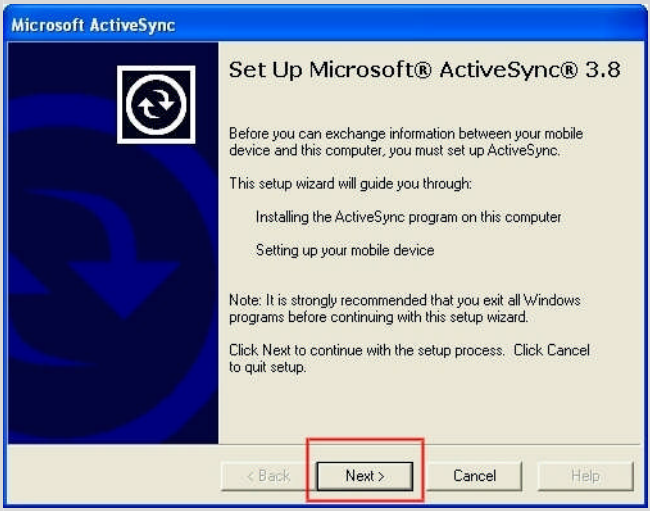
Hardware Installation
The software you are installing for this hardware:
Anchor USB EZ-Link Cable
has not passed Windows Logo testing to verify its compatibility with Windows XP. (Tell me why this testing is important.)
Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.
Continue Anyway
STOP Installation

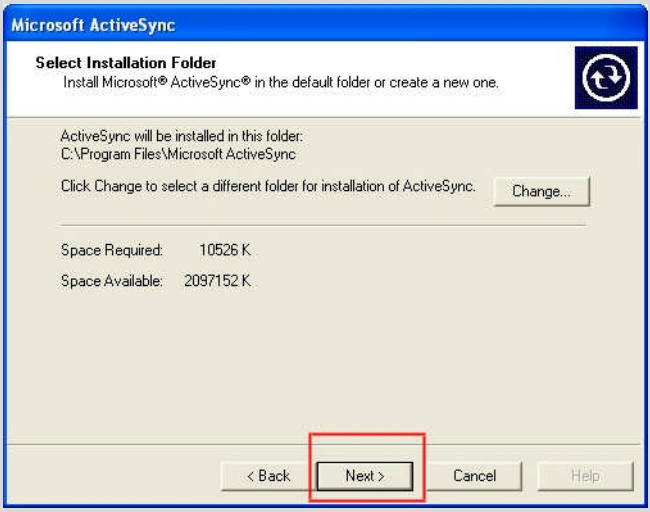
Found New Hardware Wizard
Completing the Found New Hardware Wizard
The wizard has finished installing the software for:
Anchor USB EZ-Link Cable
Click Finish to close the wizard.
< Back
Finish
Cancel

Please follow the instruction to complete the driver installation.

If you do not have Microsoft ActiveSync installed in your PC, please install it now. Please

double click on the **"MSASYNC.EXE"** from the DVD. Then follow the instruction to install Microsoft ActiveSync.


Microsoft ActiveSync
Set Up Microsoft® ActiveSync® 3.8
Before you can exchange information between your mobile device and this computer, you must set up ActiveSync.
This setup wizard will guide you through:
Installing the ActiveSync program on this computer
Setting up your mobile device
Note: It is strongly recommended that you exit all Windows programs before continuing with this setup wizard.
Click Next to continue with the setup process. Click Cancel to quit setup.
< Back
Next >
Cancel
Help


Microsoft ActiveSync
Select Installation Folder
Install Microsoft® ActiveSync® in the default folder or create a new one.
ActiveSync will be installed in this folder:
C:\Program Files\Microsoft ActiveSync
Click Change to select a different folder for installation of ActiveSync.
Change...
Space Required: 10526 K
Space Available: 2097152 K
< Back
Next >
Cancel
Help

After the USB driver and ActiveSync are installed, please open a windows explorer and you will find a **"SDMMC"** folder under the Mobile Device icon. The SDMMC is the SD card drive on your GV-370.

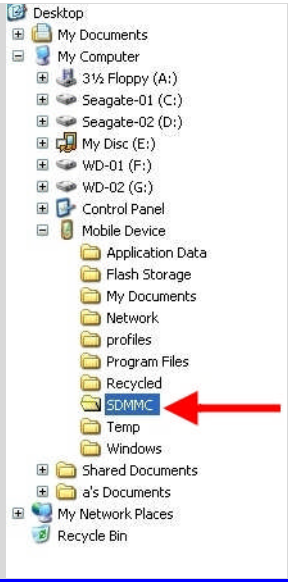
Hint:

Follow this sequence will make your Windows to detect the GV-370 more easily:

1. Connect one end of USB cable to PC's USB port first.

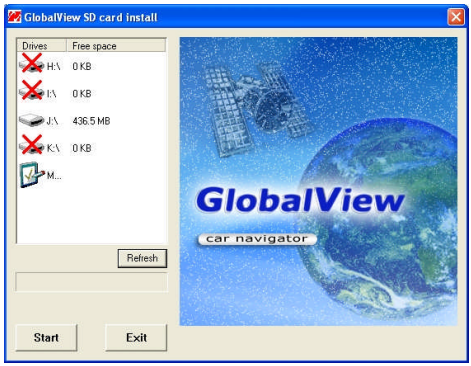
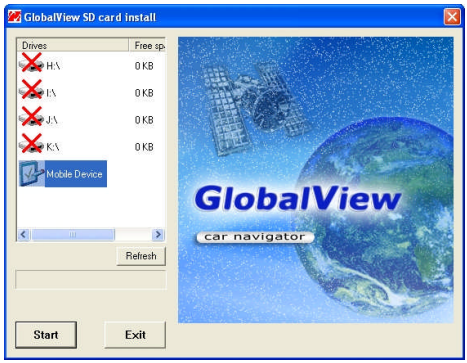
2. Turn on the GV-370.

3. Connect the other end of USB cable to GV-370.

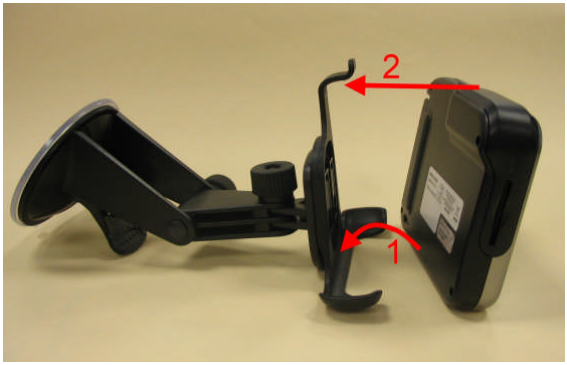


STEP 2:

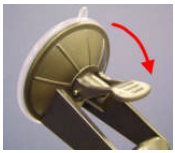
Insert the DVD into the DVD-ROM drive; the installation program will automatically start as shown on the right figure. (If your Autorun feature is disabled, please manually execute this program by double click the **"auto.exe"** from the root directory of DVD.) Click on **"Make System Disk"** button to load the application software and default map file to the SD card.

If you use **“Option 1 (card reader)”**, click on the drive letter which your SD card is inserted, and click on “**Start**” button. After the download process is finished, please remove the SD card from card reader, insert it into your GV-370 and restart it.	
If you use **“Option 2 (by ActiveSync)”**, then click on “**Mobile Device**”, and click on “**Start**” button. After the download process is finished, please disconnect GV-370 from PC and it is ready for your use.	

Attaching GV-370 to the Mount/Cradle



Release



Lock

1. Place the GV-370 at a downward angle into the base of the cradle.
2. Push the top of GV-370 inward until the top clip locks into place.
3. Clean windshield glass thoroughly with glass cleaner.
4. Moisten suction cup and attach mount to the windshield.
5. Lock mount lever by moving forward.

- To release, bring lever back and pull on the suction cup's clear tab to release suction. Never pull on mounting arm to remove from glass,
- It is suggested that you attach the mount in the appropriate place in your car. Do not mount in front of an airbag panel, or block the driver's vision.

WINDSHIELD MOUNTING DISCLAIMER

State law prohibits drivers in California and Minnesota from using suction mounts on their windshields while operating motor vehicles. Other dashboard or friction type mounting options should be used. Globalsat does not take responsibility for any fines, penalties, or damages that may be incurred as a result if disregarding this notice. (see: California Vehicle Code Section 26708(a); Minnesota Statutes 2005, Section 169.71. It is the responsibility of the user to verify their own state and local ordinances to avoid violation.

Charging your GV-370

◆ You have 3 options to charge your GV-370: by AC adapter, Car charger or USB cable.

By AC adapter	master switch is ON	power is on	→ battery is being charged.
	master switch is ON	power is off	→ battery is being charged.
By Car charger	master switch is ON	power is on	→ battery is being charged.
	master switch is ON	power is off	→ battery is being charged.
By USB cable	master switch is ON	power is on	→ USB cable provides the power to GV-370. The battery is **not** being charged.
	master switch is ON	power is off	→ battery is being charged.

ⓘ On the back of the GV-370 is a master slide switch to cut off power to the unit. It is used to disable the unit in transit from the factory and if the unit will be in storage for long periods of time. Be sure that the master slide switch is in the “ON” position when you remove the unit from the box. The GV-370 will NOT charge if the master slide switch is in the “OFF” position.

Chapter 3
Software Application

System Menu

The system menu screen controls the GV-370. All the main features can be accessed from the system menu from the five icons. For the four programs on system menu (Navigation, Photo, Music and Movie), you can only run one of them at a time. When you switch to another program or press the “system menu button” on the device, the current program will be closed automatically.

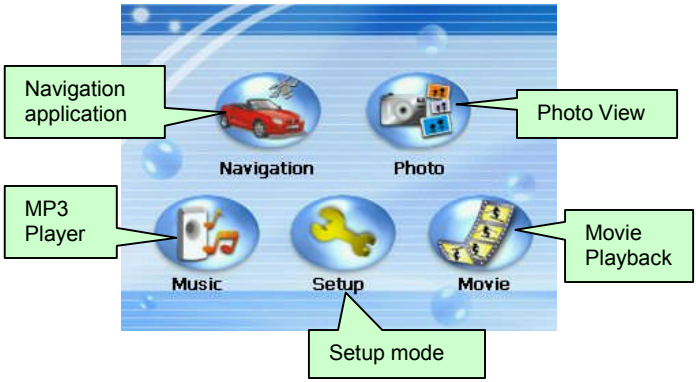
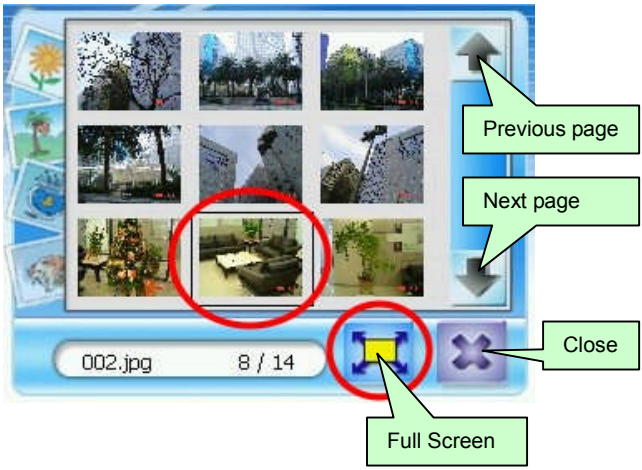


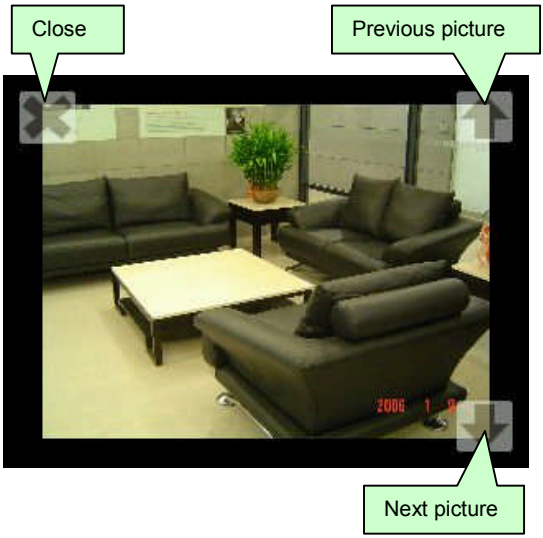
Photo View

Click on the **Photo** icon in system menu to enter the **Photo Viewer**. All the image files on the GV-370’s memory card will be scanned and displayed as thumbnails..

In the image window, tap the **up** button to display previous page, or **down** button to display next page. Tap the **close** button to exit the Photo Viewer.

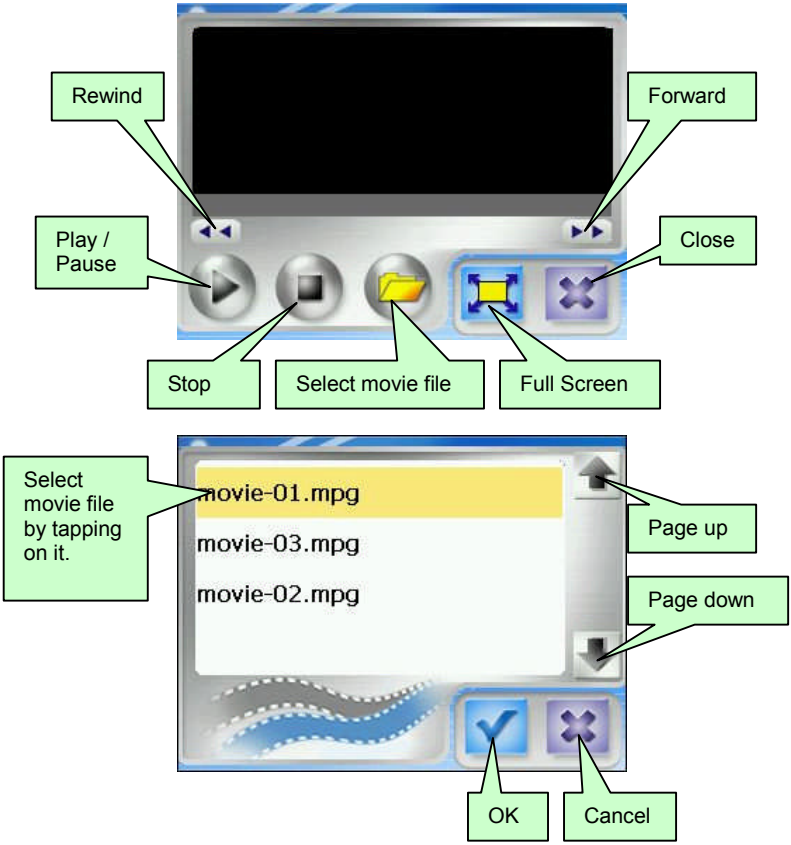
To show an image in full screen mode, simply select the picture by tapping on it, and then tap on the **full screen** button. In the full screen mode, it will automatically play each picture every 5 seconds. You can also manually tap the **up** and **down** buttons to view previous and next picture or tap **close** button on the upper left corner to exit the full screen mode.


Previous page
Next page
002.jpg
8 / 14
Close
Full Screen


Close
Previous picture
Next picture

Movie Playback

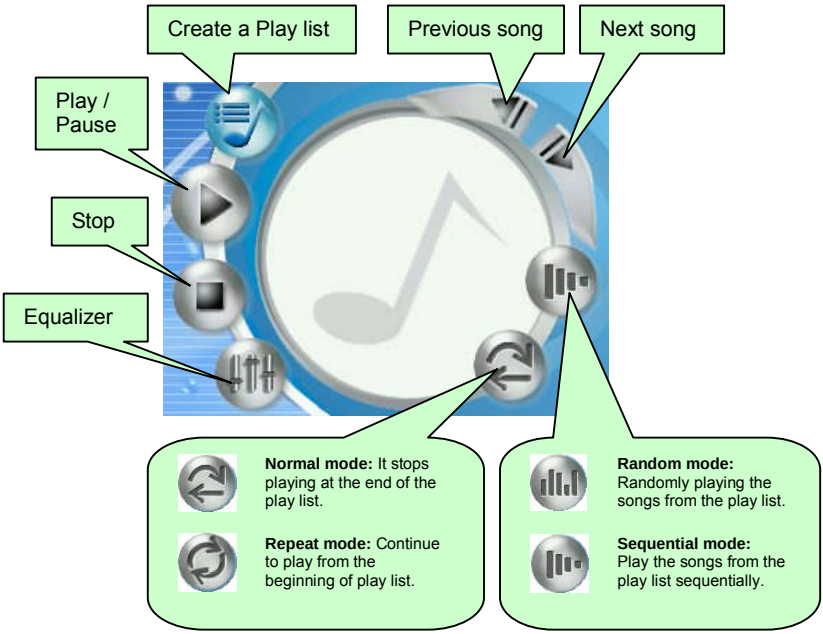
You can store your movie files in the memory card and play them on GV-370. The supported movie files must be encoded in **mpg** and **dat** formats. The GV-370 has a full function media player, which has play, stop, pause, forward and rewind functions in the movie player control. To enter Movie Playback, click on the **Movie** icon in system menu.



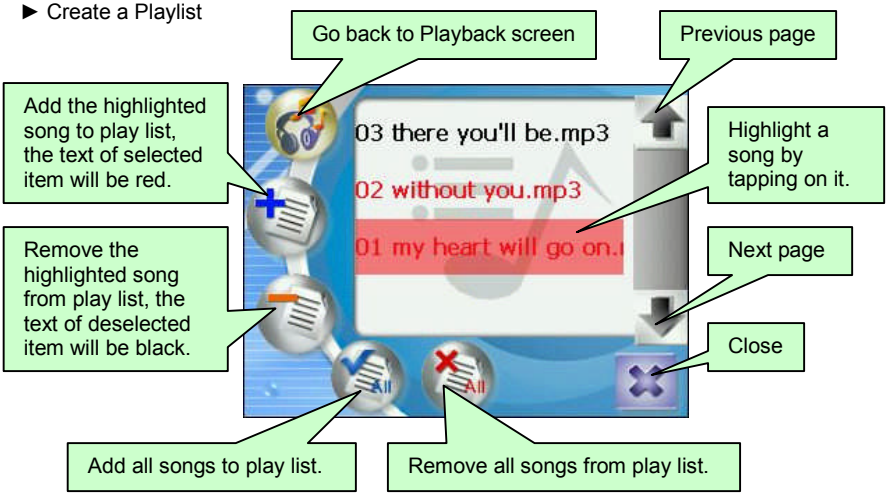
MP3 Player

From the system menu, tap on **Music** icon to enter the MP3 Player. The GV-370 will scan the memory card for all the MP3 audio files. Play lists can be created from the audio files found. All the songs are played sequentially from a play list.

► Playback screen

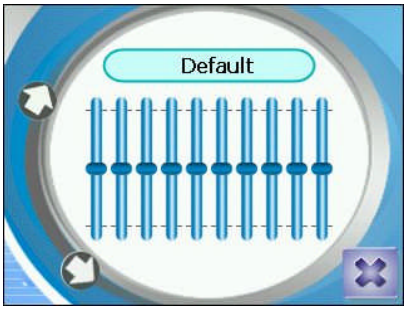

Create a Play list
Previous song
Next song
Play / Pause
Stop
Equalizer
Normal mode: It stops playing at the end of the play list.
Repeat mode: Continue to play from the beginning of play list.
Random mode: Randomly playing the songs from the play list.
Sequential mode: Play the songs from the play list sequentially.

► Create a Playlist


Go back to Playback screen
Previous page
Add the highlighted song to play list, the text of selected item will be red.
03 there you'll be.mp3
02 without you.mp3
01 my heart will go on.
Highlight a song by tapping on it.
Remove the highlighted song from play list, the text of deselected item will be black.
Next page
Close
All
All
Add all songs to play list.
Remove all songs from play list.

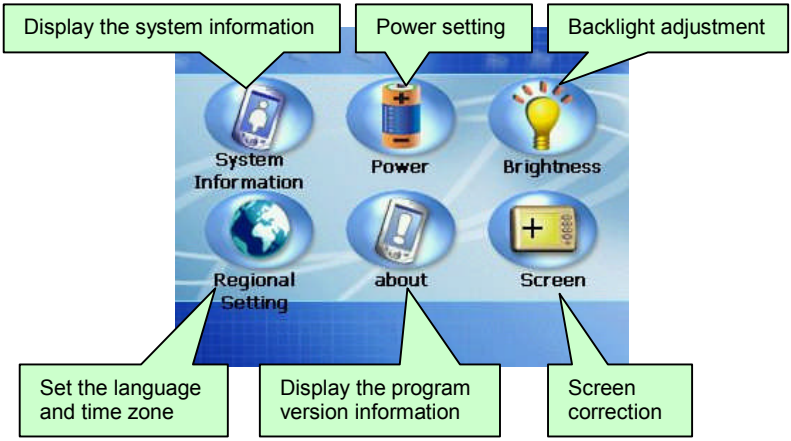
► Equalizer

The MP3 Player has 4 equalizer settings to enhance the style of the music. To select the style, simply tap the **up** or **down** arrow button to switch between **Default**, **Classical**, **Rock** and **Metal** mode.



Setup

Click on the **Setup** icon from system menu, you can enter the setup mode to configure your GV-370.

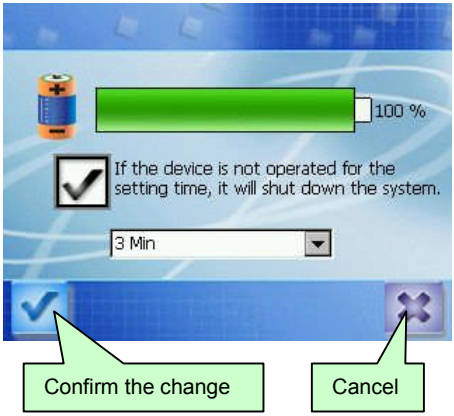


► About

Display the program version information.

► **Power**

From here you can see the remaining capacity of the battery. The auto shut down function is only valid when GV-370 is not connected to external power. If it is connecting to the AC adapter, the system will not be shut down even if you have checked this setting.



► **System Information**

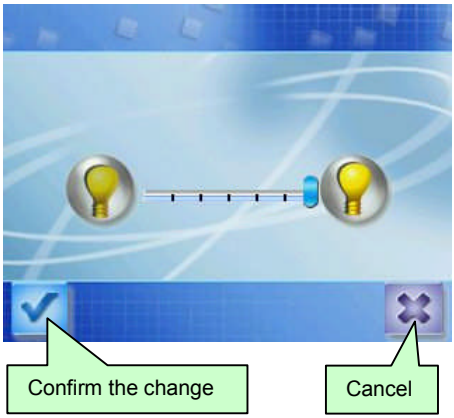
Display the free memory card capacities and the firmware version information.

Main Memory(Free/Total) :25.51 MB / 31.17 MB
SDMMC(Free/Total) :140.90 MB / 242.06 MB
PCB version MANTA_REV_5
Firmware version 1.4a/1.4a/DEV2

► **Brightness**

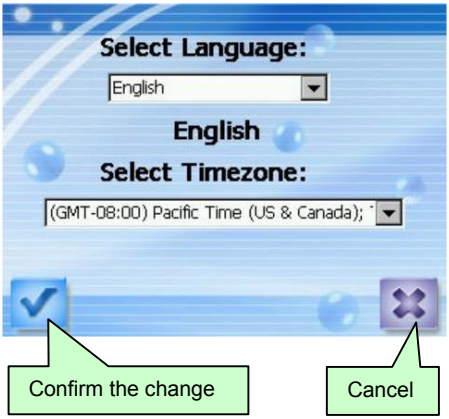
You can change the backlight brightness by tapping on the two bulb icons. Tap the left bulb to make the screen darker, or the right bulb to make the screen brighter.

Note: The backlight has 1~6 levels from left to right. For battery conservation, a brightness of level 4, 5 and 6 will be same if there is no external power connected.



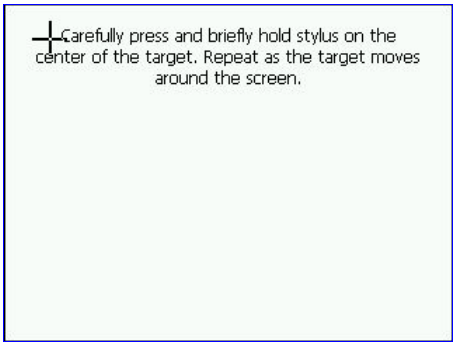
► Regional Setting

Set the User Interface language and the time zone.



► Screen Calibration

If you perform a hard reset, a new calibration setting of the screen is required. Tap on the center of the cross-hair, repeat the action when it appears on the four corners of the screen.



Chapter 4
Navigation Application

Starting Intellinav

Tap the **Navigation** button from main menu screen. A warning screen appears. Tap **I Agree** after you have read and agreed to the warning. The map view appears and you are ready to set your first destination!

Warning
Do not enter data or work the software's controls while operating a vehicle. It is dangerous to do so. Park vehicle prior to operating this software. Netropa takes no responsiblity for the consequences of any use that is inconsistent with this warning or the end user agreement.
Please remove the navigation device after parking the vehicle, to avoid damage from excessive heat and potential theft.
I Agree

Getting GPS Signal

To use the Intellinav program to guide you to a destination, the GV-370's GPS antenna must receive GPS signals. GPS signals can be obstructed by ceilings, trees, and nearby tall buildings. Signals can also be obstructed by the roof of your vehicle. For best results, position your GV-370 where it has the best possibly view to the sky.
The very first time turning on the device it may take as long as 15 minutes to obtain a valid GPS fix. Once the first GPS fix is obtained, thereafter, it should normally take no more than 30 seconds to 1 minute to obtain a valid GPS fix.

Car Cursor

The status of the GPS signal is represented in the car cursor color:

Green: 4 or more satellites
Yellow: 3 satellites
Red: less than 3 satellites
Gray: no satellite at all

Only when the car cursor is green will you be receive accurate GPS tracking and navigation.

Entering Data on the Intellinav System

The Intellinav program doesn't have a keyboard. Instead, you tap the screen to enter data. When you are entering data, a screen containing the letters of the alphabet appears:

As you tap the buttons on the keyboard, the list at the top of the screen scrolls to show the next item that matches the Letters you've tapped. If you need to enter numbers, tap the 1-2-3 button, and the numeric keyboard appears:

Moving Through the Screens

The Intellinav program shows you one screen at a time. Each time you tap a button, a new screen appears.

If you want to return to go to the previous screen, tap the in the upper right corner of the screen. If you want to go back to the map view directly, tap the button on the upper left corner of the screen.

Resetting the GV-370

You should never have to reset the GV-370 under normal circumstances. However, in the event that a problem cannot be corrected, you may reset the device by pressing the Reset button on the bottom of the unit, using a pen or paper clip.

Working with the Map

The Intellinav program gives you many ways of looking at the map. You can see your current position, view any of the turns on a route, and the map to view other areas. You can zoom in and out, and find information about specific locations.

Map View

The map view on the Intellinav program shows your current location.
At the bottom of the map is a scale indicating your current zoom level. On the upper right is the compass. On the center right and left are zoom in and out buttons, respectively.

Maneuver Detail

If you have set a destination, the map displays additional information. As you navigate to a destination, the top of the map displays the name of the next street, the direction of your next turn and the distance to the turn.
At the bottom of the map you see the estimate of how much time remains before arriving at your destination, the remaining distance to your destination, and your current speed.

On the upper left is an arrow indicating the direction and the type of maneuver ahead, as well as the remaining distance to the next maneuver.

Panning the Map

You can pan the map by tapping and dragging the map. To return to the regular map view, press the button.

Route List

If you have set a destination, you can view a list of the maneuvers that make up your route.

To view the route list:

1. Tap **Menu**. The Main Menu appears.
2. Tap **Destination**. The Destination Option screen appears.
3. Tap **Route List**.
4. Tapping an item on the list and then tapping **Show** will display the detail directions for that turn.

Location Information

You can find location information about any point on the map by pressing firmly on the map for one second. A screen appears giving you the opportunity to set the location as the Start or the Destination, and save the location to your Favorites list, or view information.

From the Information screen you have several options:

- Set Start Location
- Set Stopover (with an existing route)
- Set Destination
- Save This Location
- Information

Setting the location as a starting point is useful if you are trying to find the distance between two locations. Setting the location as your destination is a quick way to set a destination. Saving the location adds the location to your Favorites list (you'll learn more about Favorites later in this manual). You can also get additional information about the current location, including latitude and longitude.

POI Information

To view information about a POI on the map, tap on the icon on the map. The POI(S) screen will appear.

Planning Your Route

You can set a destination with the Intellinav program many different ways. Once you have set a destination, you can add a detour or a stopover.
The Intellinav program also offers an Itinerary feature, where you can enter up to 100 destinations and use the Itinerary screen to re-order addresses as you like.

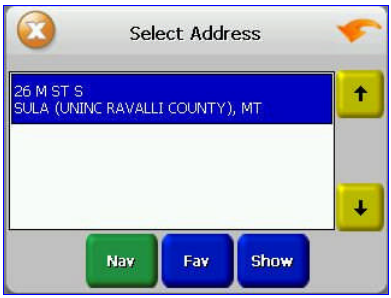
Setting a Single Destination

You can set your destination the following ways:

- Address
- Intersection
- Point of Interest (POI)
- Favorites
- Recent
- City Center

When you have found your destination, you have several options:

- Nav
- Fav
- Show



Nav calculates the route from your current location (or the location you set as a starting point) to the destination.
FAV adds the destination to your Favorites list. Your Favorites list is a list of locations that you

can add destinations to. You can also enter a name for a destination and delete destinations from the list.

Show displays the location on the panning map without calculating a route. You can also use it to manually set a starting point.

► Using an Address as a Destination

There are two ways to enter the address: by selecting the street first, or by selecting the city first. If you use Street First and too many records match, you will be asked to use City First.

Note: *You will be prompted for the street name first, then the house number.*

To Enter an Address as a Destination Using Street First:

1. Tap **Menu**. The main menu appears.
2. Tap **Destination**. The Set Destination screen appears.
3. Tap **Address**. The Input Method screen appears.
4. If you need to change the region:
    a. Tap **Change State**. The Enter State Name screen appears.
    b. Tap the **Letters** to enter the name of the region or State, or tap the name in the list.
    c. Tap **OK** when you have selected the region or State. You will return to the Input Method screen.
5. Tap **Street First**. The Enter Street Name screen appears.
6. Tap the **Letters** to enter the name of the street. Tap OK when you have selected the street. The Enter House Number screen appears.
7. Tap the **Numbers** or Letters **A-D** to enter the house number. Tap **OK**. The Select Address screen appears.
8. Select the address that matches the location you want to go to and tap **Nav**. The map appears, and the guidance directions begin.

To Enter an Address as a Destination Using City First:

1. Tap **Menu**. The main menu appears.
2. Tap **Destination**. The Set Destination screen appears.
3. Tap **Address**. The Input Method screen appears.
4. If you need to change the region or State:
    a. Tap **Change State**. The Enter State Name screen appears.
    b. Tap the **Letters** to enter the name of the region or State, or tap the name in the list.
    c. Tap **OK** when you have selected the region. You will return to the Input Method screen.
5. Tap **City First**. The Enter City Name screen appears.
6. Tap the **Letters** to enter the name of the City. Tap **OK** when you have selected the City. The Enter Street Name screen appears.
7. Tap the **Letters** to enter the name of the street. Tap **OK** when you have selected the street. The Enter House Number screen appears.
8. Tap the **Numbers** or Letters **A-D** to enter the house number. Tap **OK**. The Select

Address screen appears.

9. Select the address that matches the location you want to go to and tap **Nav**. The map appears, and the guidance directions begin.

► Using an Intersection as a Destination

There are two ways to enter the intersection: by selecting the street first, or by selecting the city first. If you use Street First and too many records match, you will be asked to use City First.

To Enter an Intersection as a Destination Using Street First:

1. Tap **Menu**. The main menu appears.
2. Tap **Destination**. The Set Destination screen appears.
3. Tap **Intersection**. The Input Method screen appears.
4. If you need to change the region or State:
    a. Tap **Change State**. The Enter State Name screen appears.
    b. Tap the **Letters** to enter the name of the region, or tap the name of the region.
    c. Tap **OK** when you have selected the region. You return to the Input Method screen.
5. Tap **Street First**. The Enter Street Name screen appears.
6. Tap the **Letters** to enter the name of the street. Tap **OK** when you have selected the street. The Enter 2nd Street Name screen appears.
7. Tap the **Letters** to enter the name of the second street. Tap **OK** when you have selected the street. The Select Address screen appears.
8. Select the intersection that matches the location you want to go to and tap **Nav**. The map appears, and the guidance directions begin.

To Enter an Intersection as a Destination Using City First:

1. Tap **Menu**. The main menu appears.
2. Tap **Destination**. The Set Destination screen appears.
3. Tap **Intersection**. The Input Method screen appears.
4. If you need to change the region:
    a. Tap **Change State**. The Enter State Name screen appears.
    b. Tap the **Letters** to enter the name of the region, or tap the name of the region.
    c. Tap **OK** when you have selected the region. You return to the Input Method screen.
5. Tap **City First**. The Enter City Name screen appears.
6. Tap the **Letters** to enter the name of the city. Tap **OK** when you have selected the city. The Enter Street screen appears.
7. Tap the **Letters** to enter the name of the street. Tap **OK** when you have selected the street. The Enter 2nd Street Name screen appears.
8. Tap the **Letters** to enter the name of the second street. Tap **OK** when you have selected the street. The Select Address screen appears.
9. Select the intersection that matches the location you want to go to and tap **Nav**. The map appears, and the guidance directions begin.

► Using a Point of Interest (POI) as a Destination

There are many points of interest that you can select as a destination. Generally, you choose a category and then choose one of four methods of selecting the specific point of interest. Sometimes you must first select a subcategory (such as Museum within the category of Attractions) before you can choose a selection method.
The four methods of selecting a specific point of interest include two for nearby POIs and two for all POIs in a region.

To select a nearby POI as a destination:

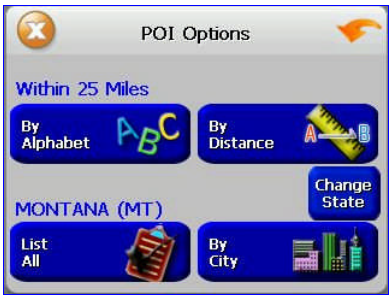
1. Tap **Menu**. The main menu appears.
2. Tap **Destination**. The Set Destination screen appears.
3. Tap **POI**. The Points of Interest screen appears.
4. Tap a **Category**. Usually a subcategory screen appears.

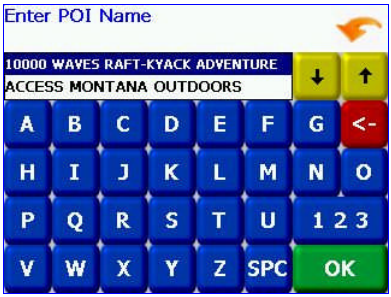
Note: *If you choose Restaurant, tap the letters to enter a type of restaurant. If you choose Hotel, there is no subcategory screen. Go to the next step.*

5. Tap a **Subcategory**. The POI Options screen appears.

To select a nearby POI from an alphabetical list:

a. Tap **Alphabetical**. The Enter POI Name screen appears.
b. Tap the **Letters** to enter the name of the POI. Tap **OK** when you have selected the POI. The POI Select screen appears, displaying the address of the POI.
c. Tap **Nav**. The map appears, and the guidance directions begin.





To select a nearby POI by distance:

a. Tap **By Distance**. The POI List screen appears, listing the closest POIs first.
b. Tap the POI that you want to go to and tap Nav. You may need to scroll down the list by tapping the scroll bar. The map appears, and the guidance directions begin.

To select from all POIs in a region:

1. Tap **Menu**. The main menu appears.
2. Tap **Destination**. The Set Destination screen appears.
3. Tap **POI**. The Points of Interest screen appears.
4. Tap a **Category**. Usually a subcategory screen appears.

Note: *If you chose Restaurant, tap the Letters to enter a type of restaurant. If you chose Hotel, there is no subcategory screen. Go to the next step.*

5. Tap a **Subcategory**. The POI Options screen appears.

To select a POI from an alphabetical list:

1. Tap **List All**. The Enter POI Name screen appears.
2. Tap the **Letters** to enter the name of the POI. Tap **OK** when you have selected the POI. The POI Select screen appears.
3. Tap **Nav**. The map appears, and the guidance directions begin.

To select a POI by city:

1. Tap **By City**. The Enter City Name screen appears.
2. Tap the **Letters** to enter the name of the city and tap **OK**. The Enter POI Name screen appears.
3. Tap the **Letters** to enter the name of the POI and tap **OK**. The POI Select screen appears.
4. Tap **Nav**. The map appears, and the guidance directions begin.

► Using a Favorite Destination as a Destination

Favorite destinations are locations you add to a list on the Intellinav system. You can add locations to your Favorites list as you set a destination, from the POI(S) screen, and from the Location Information screen. You can then easily select one of these locations as a destination.

To Select a Favorite as a Destination:

1. Tap **Menu**. The main menu appears.
2. Tap **Destination**. The Set Destination screen appears.
3. Tap **Favorites**. The Favorites screen appears.
4. Tap on the favorite you want to use as a destination and tap **Nav**. The map appears, and the guidance directions begin.

► Using a Recent Destination as a Destination

Recent destinations are locations you have navigated to recently. You can easily select one of these locations as a destination. Managing your recent destinations list is covered later in this section.

To Select a Destination from your list of recent destination:

1. Tap **Menu**. The main menu appears.
2. Tap **Destination**. The Set Destination screen appears.
3. Tap **Recent**. The Recent screen appears.
4. Tap on the recent destination you want to go to and tap **Nav**. The map appears, and the guidance directions begin.

► Using a City Center as a Destination

Sometimes you may want to use the Intellinav system to get to a city, but not to a specific location within the city. To do this you select a City Center as a destination.
As with selecting a Point of Interest, there are several methods of selecting a city center: two for nearby city centers and one for all city centers in a region.

To Select a nearby City Center as a destination:

1. Tap **Menu**. The main menu appears.
2. Tap **Destination**. The Set Destination screen appears.
3. Tap **City Center**. The City Center screen appears.

To select from an alphabetical list:

a. Tap **Alphabetical**. The Enter City Name screen appears.
b. Tap the **Letters** to enter the name of the city. Tap OK when you have selected the city. The City Center screen appears.
c. Tap **Nav**. The map appears, and the guidance directions begin.

To select by distance:

a. Tap **By Distance**. The City List screen appears, listing the closest city centers first.
b. Tap the city that you want to go to and tap **Nav**. You may need to scroll down the list by tapping the scroll bar. The map appears, and the guidance directions begin.

To select from all City Centers in a region:

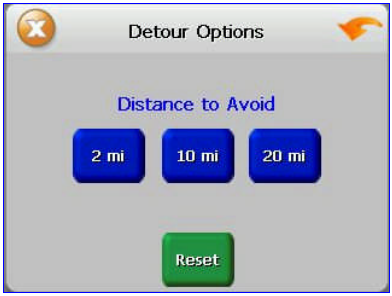
1. Tap **Menu**. The main menu appears.
2. Tap **Destination**. The Set Destination screen appears.
3. Tap **City Center**. The City Center screen appears.

To select a city center in a region or State:

a. Tap **List All**. The Enter City Name screen appears.
b. Tap the **Letters** to enter the name of the city. Tap **OK** when you have selected the city. The City Center screen appears.
c. Tap **Nav**. The map appears, and the guidance directions begin.

► Detours, Avoid Roads, and Stopovers

The Detour feature will allow you to bypass a certain portion of the route starting at your present position, while avoid road allows you to bypass the entire road. Stopovers are stops you add to a trip to make prior to reaching your destination.



Detours

Note: *you cannot create a detour if you do not have a current destination.*

To set a detour:

1. Tap **Menu**. The main menu appears.
2. Tap **Destination**. The Destination Options screen appears.
3. Tap **Detour**. The Detour screen appears.
4. Select from three distance options to bypass. A new route is calculated automatically.

To clear a detour:

1. Tap **Menu**. The main menu appears.
2. Tap **Destination**. The Destination Options screen appears.
3. Tap **Detour**. The Detour screen appears.
4. Tap **Reset**.

Avoid Road

Once you have set a destination you can look at the list of streets and determine if you need to mark one or more as unavailable. If you mark a section as unavailable the Intellinav system will calculate a new route that avoids the section you marked.

Note: *You cannot avoid a road if you do not have a current destination.*

To avoid roads in the route list:

1. Tap **Menu**. The main menu appears.
2. Tap **Destination**. The Destination Options screen appears.
3. Tap **Avoid Road**. The Avoid Road screen appears.
4. Mark any segments that you do not want included:
    a. Tap on a route instruction to highlight it.
    b. Tap **Avoid**. A do-not-enter symbol appears.
5. When you have finished marking segments, tap **Nav**. Your route is recalculated, the map appears and the guidance directions begin.

Stopovers

Once you have set a destination you can add a stopover. Adding a stopover does not cancel your original destination. Once you reach your stopover, you will be prompted to continue to the destination.

To create a stopover:

1. Press **Menu**. The main menu appears.
2. Tap **Destination**. The Destination Options screen appears.
3. Tap **Stopover**. The Set Destination screen appears.
4. Set your stopover destination using any of the methods explained earlier in this section.

To cancel a stopover:

1. Tap **Menu**. The main menu appears.
2. Tap **Destination**. The Destination Options screen appears.
3. Tap **Clear Route**. A confirmation message appears asking if you want to continue to your next destination.
4. Tap **Yes**. The map appears and navigation continues.

Using Shortcuts

The shortcut feature provides you quick access to some of the most important destinations while you're on the road, including:

- Home
- ATM
- Gas
- Hospital
- Parking
- Restaurant
- Tourist Information

By tapping any of the POI categories, you will see a list of the nearest POIs sorted by distance.

Managing Your Favorites List

You can edit the destinations you add to your favorites list to give them descriptive names. You can also remove destinations from your favorites list.

To manage your favorites list:

1. Tap **Menu**. The main menu appears.
2. Tap **Destination**. The Destination Options screen appears.
3. Tap **Favorite**. The Favorites screen appears.

To edit a favorite:

a. Tap on the favorite you want to edit.
b. Tap **Edit**. The Edit Favorites screen appears.
c. Enter a descriptive name for this favorite.
d. Tap **OK** when you are done.

To delete a destination from your favorite list:

a. Tap on the favorite you want to delete.
b. Tap **Del**. The favorite is removed from the list.
c. Tap **OK** to close the Favorites screen.

Setting Your Options

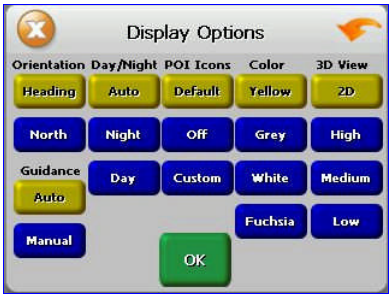
You can set many different options to customize the Intellinav system and make it work your way. These options include:

- Display Options
- Route Options
- Speed Alert
- Localization
- GPS Information
- System Information

Display Options

The display options give you control over the appearance of the map. You can change the following:

- Orientation
- Guidance
- Day/Night
- POI Icons
- Color
- 3D View



There are two orientation settings. Heading turns the map as you drive so that you are always moving toward the top of the screen. North keeps the map oriented with North at the top of the map, like a traditional paper map.

There are two guidance settings, which control whether or not the maneuver detail screen appears when you near your next maneuver. If you use the auto setting, the maneuver detail screen appears.

The day/night setting controls the background of the screen. If you choose auto, the Intellinav system will automatically switch to a darker version of your color scheme soon after sunset, to reduce the glare in the vehicle. You can also choose to use either the day or night setting at all times.

There are three options for displaying POI icons. If you choose default, the most commonly displayed categories of POI icons will appear on the map at zoom levels of 1000 ft and closer. If

you choose off, no POI icons are displayed. If you choose custom, you can choose which categories of POI icons you want displayed.

The color settings control the background color of the map. You can choose from four different colors.

The 3D view settings control your view of the map. “2D” shows you the map in traditional 2D mode. High, Medium, and Low show you a 3D version of the map, with a different angle for each value. If you use any of the 3D settings you will not be able to tap on a location to view location information.

To set your display settings:

1. Tap **Menu** and then **Settings**.
2. Tap **Display Options**. The Display Options screen appears.
3. Tap your Orientation preference: **Heading** or **North**.
4. Tap your Guidance preference: **Auto** or **Manual**.
5. Tap your Day/Night preference: **Auto**, **Night**, or **Day**.
6. Tap your POI Icons preference: **Default**, **Off**, or **Custom**.
   When you tap **Custom** the POI Options screen appears.
   a. Tap on the categories you want displayed. The categories to be displayed are highlighted.
   b. You can use **Select All** and **Clear All** to quickly highlight or clear categories.
   c. When you have highlighted the categories you want displayed, tap **OK**. You return to the Display Options screen.
7. Tap your Color preference: **Yellow**, **Grey**, **White**, or **Fuchsia**.
8. Tap your 3D View preference: **2D**, **High**, **Medium**, or **Low**.
9. When you have finished choosing your options, tap **OK**.

Route Options

The route options give you control over the navigation of your trip. You can change the following:

- Method
- Ferries
- Toll Roads
- Carpool
- Turns

There are four method settings. Quickest calculates the route that should take the least amount of time. Major calculates a route that uses major roads whenever possible. Shortest calculates the route that is shortest in distance. Local calculates a route that uses local roads whenever possible.

The ferries setting indicates whether ferries should be included when your route is calculated. If you include ferries, the route will take you to the ferry terminal, but the total time for the route does not take into account the ferry schedule or time spent on the ferry.

The toll roads setting indicates whether you want to include or exclude toll roads when your route is calculated. If you include toll roads, those roads will be used if appropriate for the method you selected.

The carpool setting indicates whether or not you want to include carpool or high occupancy vehicle (HOV) restrictions in the calculation of your route.

The turns setting indicates whether or not you want to make more or less turns.

To set your route settings:

1. Tap **Menu** and then **Settings**.
2. Tap **Route Options**. The Route Options screen appears.
3. Tap your Method preference: **Quickest**, **Major**, **Shortest**, or **Local**.
4. Tap your Ferries preference: **Include** or **Exclude**.
5. Tap your Toll Roads preference: **Include** or **Exclude**.
6. Tap your Carpool preference: **Include** or **Exclude**.
7. Tap your Turns preference: **Reduced** or **Normal**.
8. When you have finished choosing your options, tap **OK**.

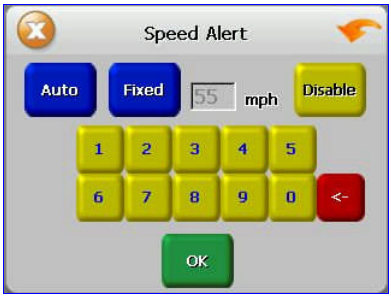
Speed Alert

You can use the speed alert feature to warn you if your vehicle is exceeding the speed limit. There are two speed alert options: auto speed alert and fixed speed alert. Auto speed alert uses the type of road to determine the probable speed limit. Fixed speed alert lets you enter a speed and will warn you if that speed is exceeded.

Auto speed alert is based on road class and may not necessarily reflect the actual speed limit. Please use this feature only as a reference

To set the speed alert:

1. Tap **Menu** and then **Settings**.
2. Tap **Speed Alert**. The Speed Alert screen appears.



To set auto speed alert:

a. Tap **Atuo**. A warning appears.
b. Tap **OK** to close the warning.
c. Tap **OK**. You return to the map.

To set a fixed speed alert:

a. Tap **Fixed**.
b. Enter the speed you want to use as a maximum speed.
c. Tap **OK** after reading the warning message. You return to the map.

Localization

The localization options give you control over the settings affected by your location, including:

- Language
- Time Zone
- Daylight Savings Time
- Units

There are three language settings. When you change the language, all of the screen names and controls will be in the selected language. There are six time zone settings, for all areas of the United States. There are two daylight-savings options, to determine whether or not daylight savings time is currently in effect at your location. There are two settings for units, which determine how the distance to your location is expressed. You can choose between Mi (miles) or KM (kilometers).

To set your localization settings:

1. Tap **Menu**. Menu screen appears.
2. Tap **Settings**. Settings screen appears.
3. Tap **Localization**. The Localization screen appears.
4. Tap your Language preference: **English**, **French**, or **Spanish**.
5. Tap your Time Zone preference: **Eastern**, **Central**, **Mountain**, **Pacific**, **Alaska** or **Hawaii**.

6. Tap your Daylight Saving preference: **DST** or **Standard**.
7. Tap your Units preference: **Mi** or **KM**.
8. When you have finished choosing your options, tap **OK**.

GPS Information

To view the GPS Information:

1. Tap **Menu**. The Main Menu appears.
2. Tap **Settings**. The Settings screen appears.
3. Tap **GPS Information**. The GPS Information screen appears.

To close the GPS Information screen:

1. Tap the **Back-Arrow** in the upper right corner.

System Information

The System Information displays the version information and copyright of the navigation software and digital map data.

To view the System Information:

1. Tap **Menu**. The Main Menu appears.
2. Tap **Settings**. The Settings screen appears.
3. Tap **System Information**. The System Information screen appears.

To close the System Information screen:

1. Tap the **Back-Arrow** in the upper right corner.

Navigation Software License Agreement

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Chapter 5
Troubleshooting

► If the GV-370 does not boot up successfully or does not function properly

1. Please check if the ***Application software*** is properly installed in the memory card.
2. Please check if the ***SD memory card*** is inserted into the SD expansion slot.
3. Please check if the ***battery power***. (A red light indicates the battery power is low and needs to be charged. A orange light indicates that it is in charging status, and the green light will be on when the battery is fully charged.)
4. Perform the "***Reset***" to restart the device.

► Reset

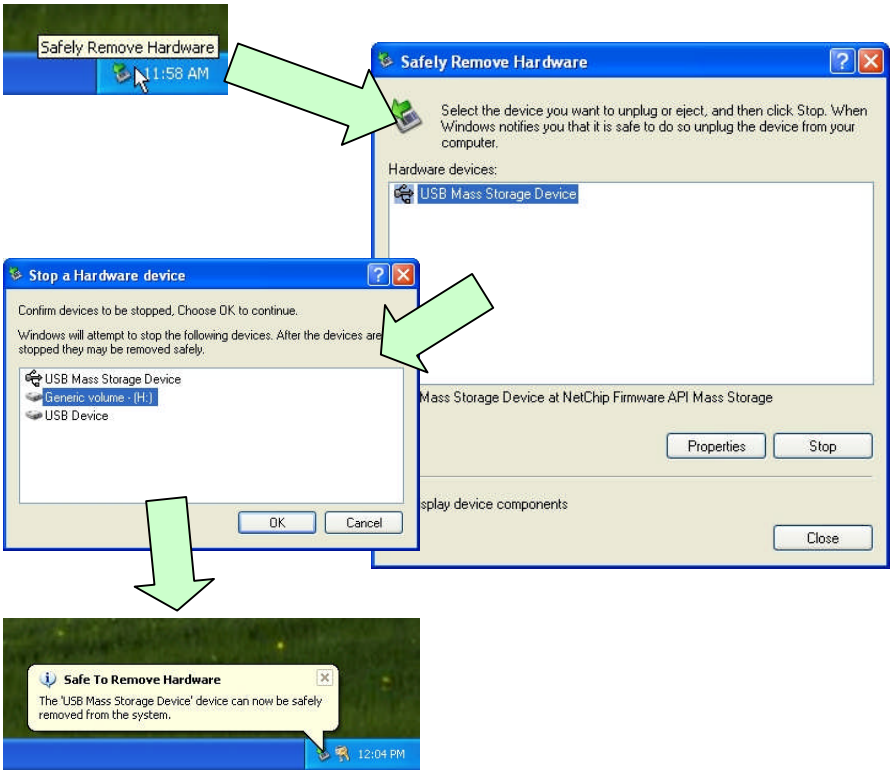
If your GV-370 is down or it encounters an unexpected error, you can reset it. You will need to use a stylus or pencil to press the reset button. Pressing the reset button will restart the system retaining all the information stored on the device.

ⓘ	If your car windows equipped with Window Films for reducing heat and blocking the harmful UV rays, it may also slightly affect the receiving of GPS signal. Thus, the cold start time will take longer then usual.
ⓘ	If the car is moving, it may also affect the time for GPS fix. We suggest that you stop the car while you turn on the GV-370 for a quicker GPS fix time.
ⓘ	Please avoid excessive heat and humidity. Please do not leave the GV-370 in your car under the direct sunshine with windows closed. Place it in a high temperature environment may damage its LCD display or the device.

► Safely Remove Hardware

Before you remove the memory card from the card reader, or before you unplug the USB cable from the device or USB port, please safely remove the hardware by the following processes:

1. Double click the "**Safely Remove Hardware**" icon from the task bar on the right bottom corner of desktop.
2. Select the hardware device and then click the "**Stop**" button.
3. Confirm by selecting the device again and click "**OK**" button.
4. When you see a message showing "**Safe To Remove Hardware**" on desktop, then you can remove the memory card or unplug the USB cable.


Safely Remove Hardware
11:58 AM
Safely Remove Hardware
Select the device you want to unplug or eject, and then click Stop. When Windows notifies you that it is safe to do so unplug the device from your computer.
Hardware devices:
USB Mass Storage Device
Stop a Hardware device
Confirm devices to be stopped, Choose OK to continue.
Windows will attempt to stop the following devices. After the devices are stopped they may be removed safely.
USB Mass Storage Device
Generic volume - (H:)
USB Device
OK
Cancel
Mass Storage Device at NetChip Firmware API Mass Storage
Properties
Stop
splay device components
Close
Safe To Remove Hardware
The 'USB Mass Storage Device' device can now be safely removed from the system.
12:04 PM

► Update the firmware of GV-370

Step 1: Unzip the “NK.nb0.zip” and you will get the file named “NK.nb0”.
Step 2: Copy “NK.nb0” into a SD card.
Step 3: Insert the SD card into GV-370.
Step 4: Press and hold the power button, don’t let go. Then, click the **Reset** button one time.

Step 5: You are still pressing and holding the power button. Now look at the screen, it will show some text message when the update process is on going. If you see the message shown on the screen, then you can release the power button.

UPDATING IMAGE PLEASE WAIT ...
SEARCHING FOR WINCE IMAGE <NK.NB0> ...
READING DATA FROM SD CARD.
WRITING IMAGE TO NAND FLASH
(60 %) COMPLETED.

Step 6: When the update process is finished, you will be asked to press the **Reset** button to restart the device.

FCC Notices

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and

(2) This device must accept any interference received, including interference that may cause undesired operation.

FCC RF Exposure requirements:

This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter.

NOTE: THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

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Map data provided by Navteq